

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PP/1-22821/CGM 520	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/000068	International filing date (day/month/year) 08/01/2004	(Earliest) Priority Date (day/month/year) 15/01/2003
Applicant CIBA SPECIALTY CHEMICALS HOLDING INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/000068

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08K13/02 C08L23/00 B32B27/20 C08K9/04
//(C08K13/02, 3:34, 5:00)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L B32B C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/66627 A (OMNOVA SOLUTIONS INC) 13 September 2001 (2001-09-13) examples 19-21	1-6, 8, 12-20
X	US 6 251 980 B1 (LAN TIE ET AL) 26 June 2001 (2001-06-26) claims 1,6-9; examples 2-11 column 12, lines 51-66	1-20
X	PATENT ABSTRACTS OF JAPAN vol. 0180, no. 52 (C-1158), 27 January 1994 (1994-01-27) & JP 5 271481 A (SUMITOMO CHEM CO LTD), 19 October 1993 (1993-10-19) abstract	19, 20
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

25 May 2004

Date of mailing of the international search report

07/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Marquis, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/000068

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 197 849 B1 (FINTER JUERGEN ET AL) 6 March 2001 (2001-03-06) the whole document -----	1-20
A	MICHAEL ALEXANDRE, PHILIPPE DUBOIS: "Polymer-layered silicate nanocomposites: preparation, properties and uses of a new class of materials" MATERIALS SCIENCE AND ENGINEERING,, vol. 28, 2000, pages 1-63, XP002281476 the whole document -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/000068

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0166627	A	13-09-2001	US 6414070 B1 EP 1268630 A1 JP 2003530444 T WO 0166627 A1	02-07-2002 02-01-2003 14-10-2003 13-09-2001
US 6251980	B1	26-06-2001	US 6057396 A US 5952095 A CA 2299705 A1 EP 1038913 A1 JP 2000297203 A CA 2218356 A1 CA 2223350 A1 EP 0846661 A2 EP 0846662 A2 JP 11060983 A JP 10273314 A US 6242500 B1 US 6124365 A CA 2218303 A1 EP 0846660 A2 JP 10194727 A	02-05-2000 14-09-1999 19-09-2000 27-09-2000 24-10-2000 06-06-1998 06-06-1998 10-06-1998 10-06-1998 05-03-1999 13-10-1998 05-06-2001 26-09-2000 06-06-1998 10-06-1998 28-07-1998
JP 5271481	A	19-10-1993	JP 3156349 B2	16-04-2001
US 6197849	B1	06-03-2001	BR 9908120 A CN 1297470 T DE 69907162 D1 DE 69907162 T2 WO 9942518 A2 EP 1060211 A2 ES 2195547 T3 JP 2002504582 T	24-10-2000 30-05-2001 28-05-2003 19-02-2004 26-08-1999 20-12-2000 01-12-2003 12-02-2002